

The diagram illustrates a message authentication code (MAC) system. It consists of two main parts: a **Sender** (110) and a **Receiver** (120), both enclosed in dashed boxes.

Sender (110):

- A **message** (130) is input into the **Authentication Tag Computation** block (112).
- The **Authentication Tag Computation** block (112) outputs a **tag** (140).
- The **message** (130) and the **tag** (140) are combined into a single unit (150) for transmission.

Receiver (120):

- The received unit (150) is split into **message'** (130') and **tag'** (140').
- The **message'** (130') is input into the **Authentication Tag Computation** block (122).
- The **Authentication Tag Computation** block (122) outputs a **tag''** (140'').
- The **tag'** (140') and the **tag''** (140'') are compared (indicated by a question mark) to verify the message's integrity.

FIG. 1

A line graph illustrating a negative correlation between Strength and Performance. The x-axis is labeled 'Strength' and the y-axis is labeled 'Performance'. A straight line slopes downwards from left to right, indicating that as strength increases, performance decreases.

FIG. 2

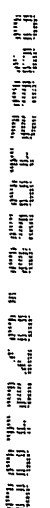


FIG. 3

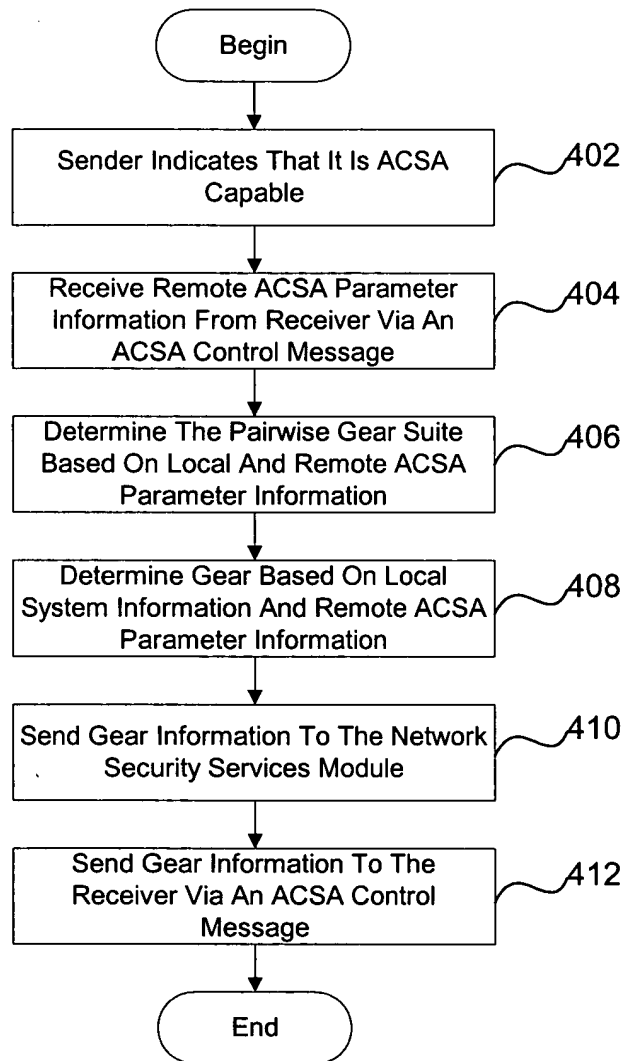


FIG. 4

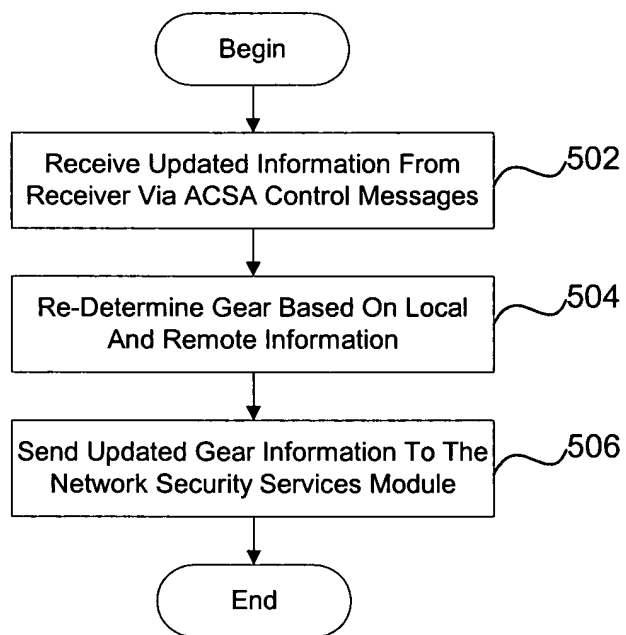


FIG. 5

Receiver Processor Utilization

	Too Heavily Loaded	Near Desired CPU Load	Lightly Loaded
Too Heavily Loaded	switch to less computationally intensive gear	switch to less computationally intensive gear	switch to less computationally intensive gear
Near Desired CPU Load	switch to less computationally intensive gear	maintain current gear	maintain current gear
Lightly Loaded	switch to less computationally intensive gear	maintain current gear	switch to more secure (more computationally intensive) gear

FIG. 6

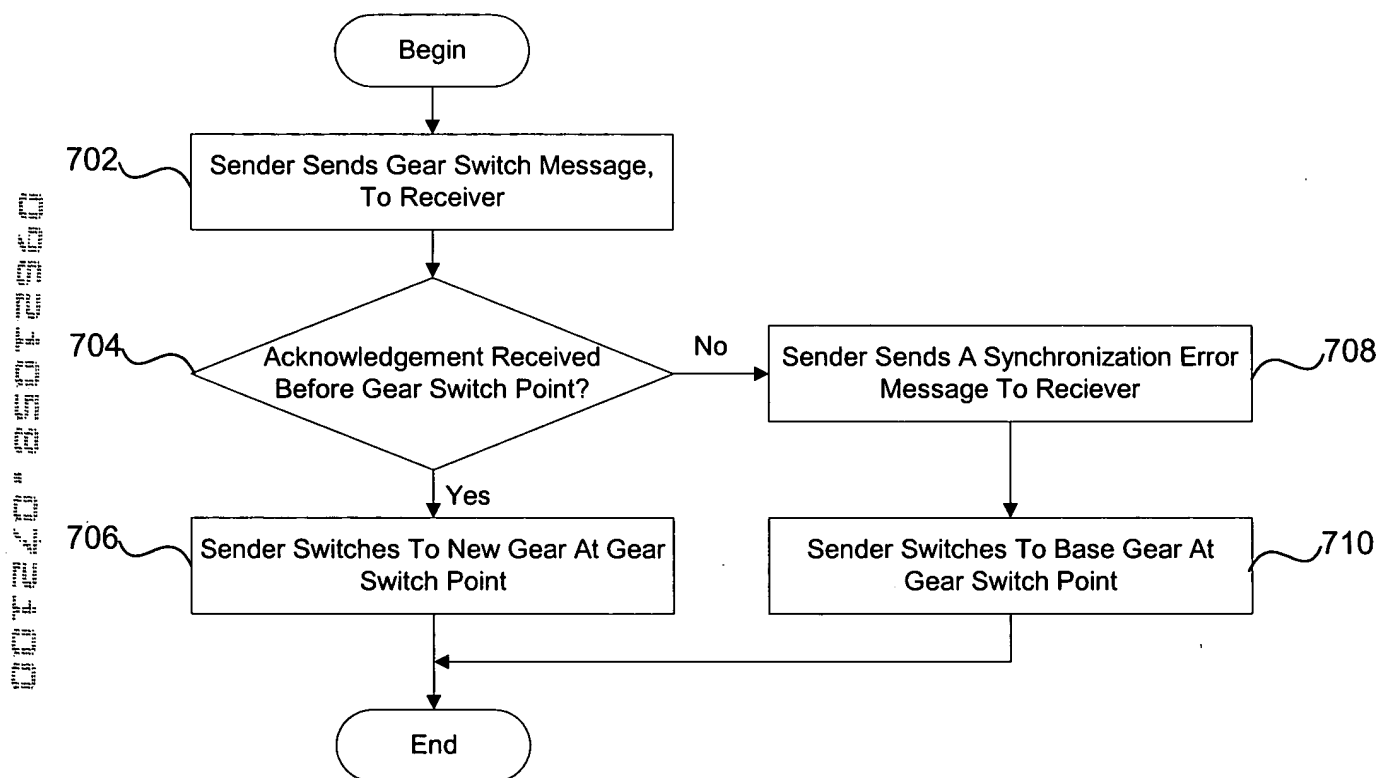


FIG. 7A

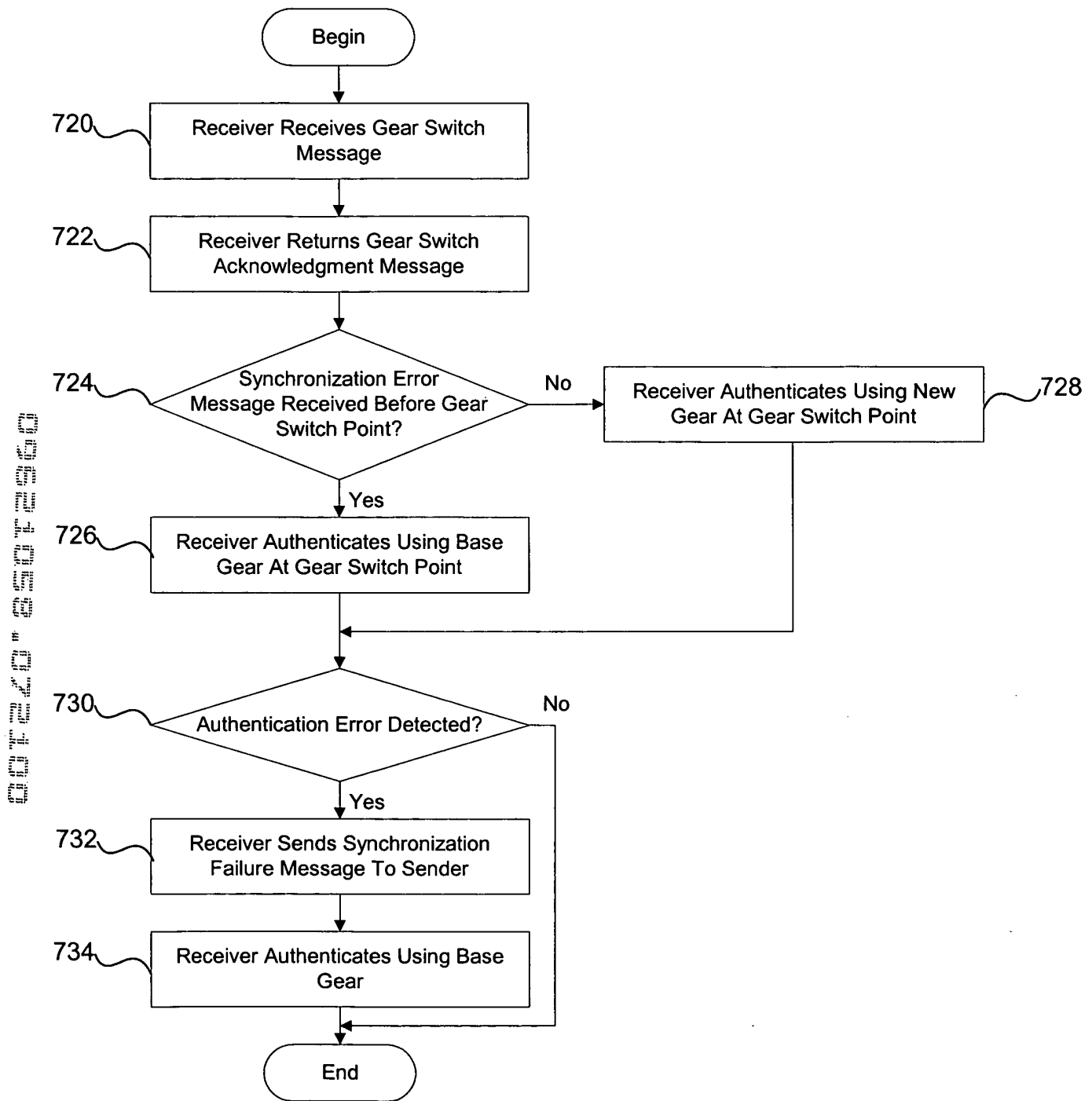


FIG. 7B

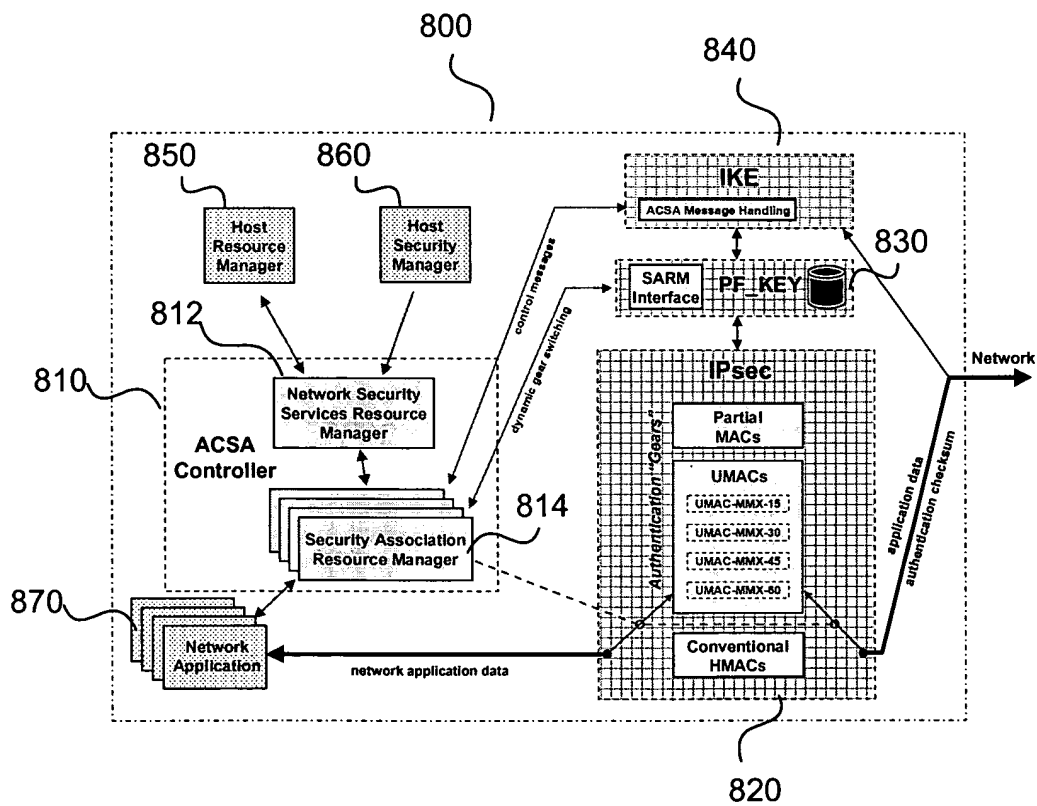


FIG. 8

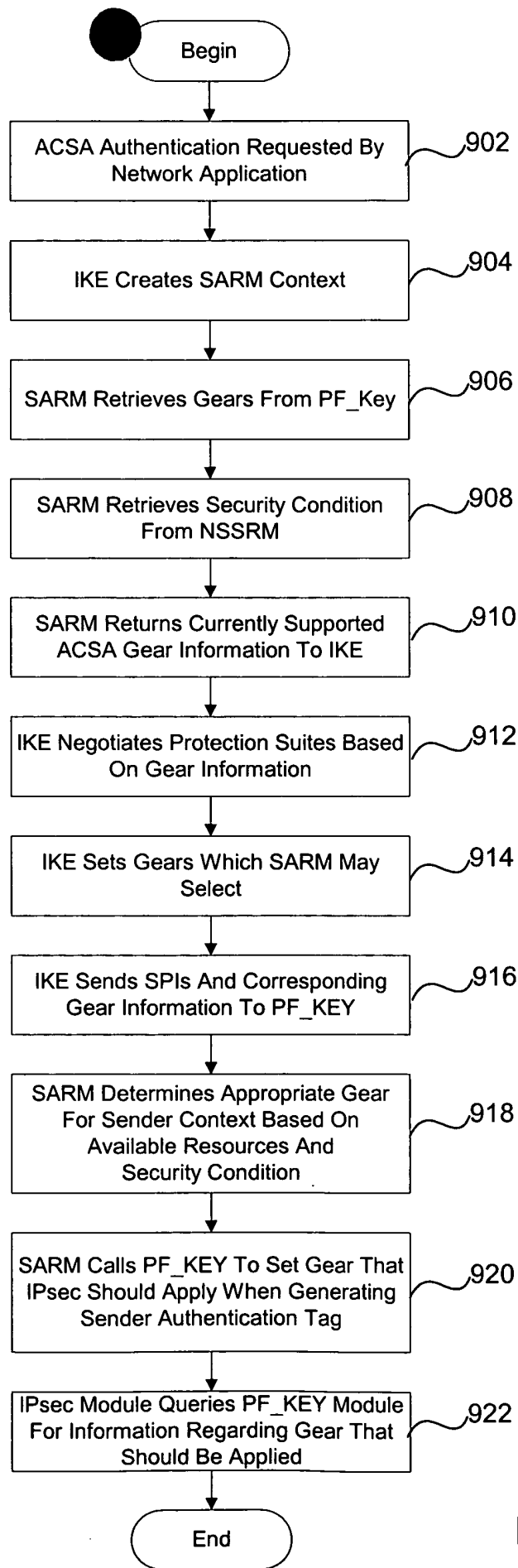


FIG. 9

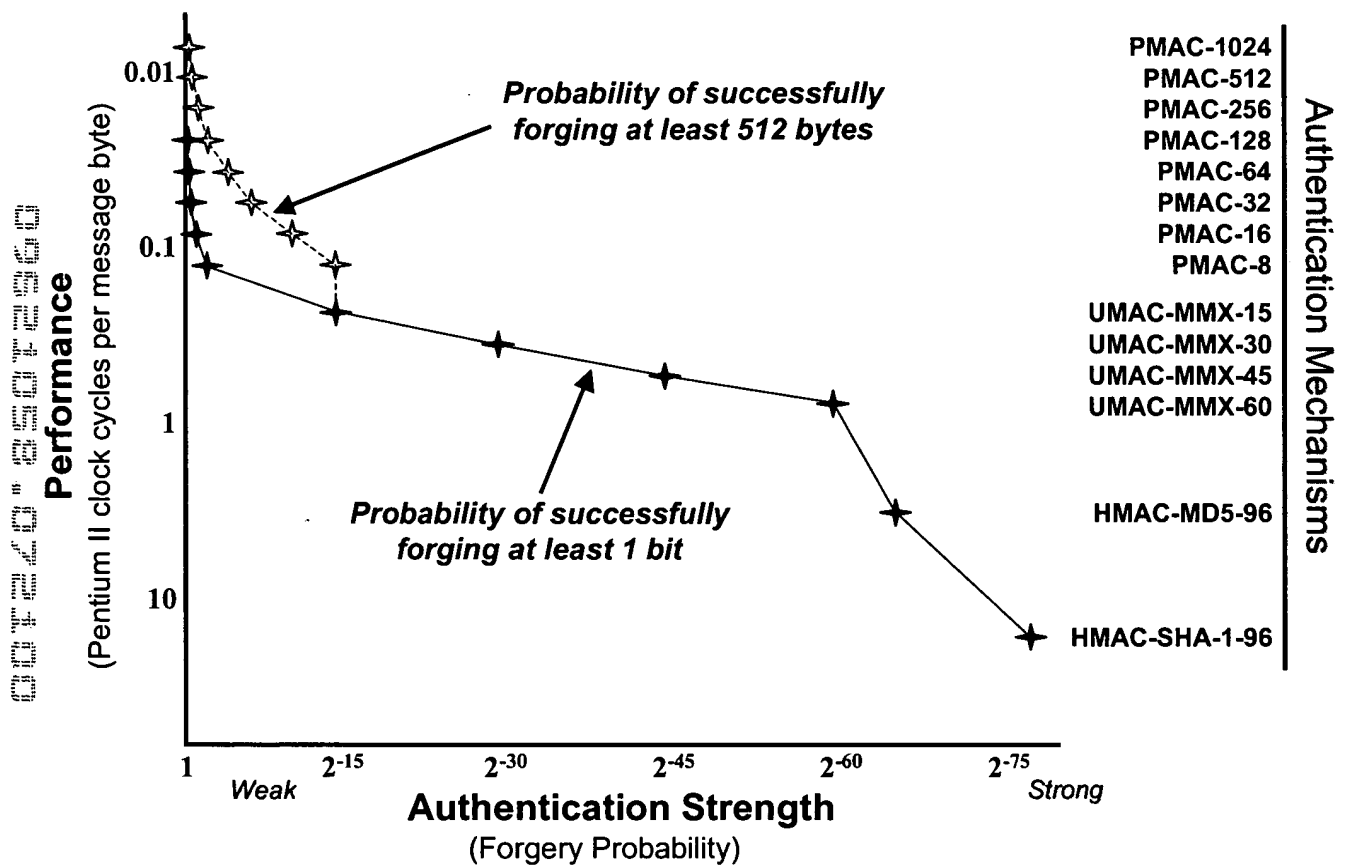


FIG. 10

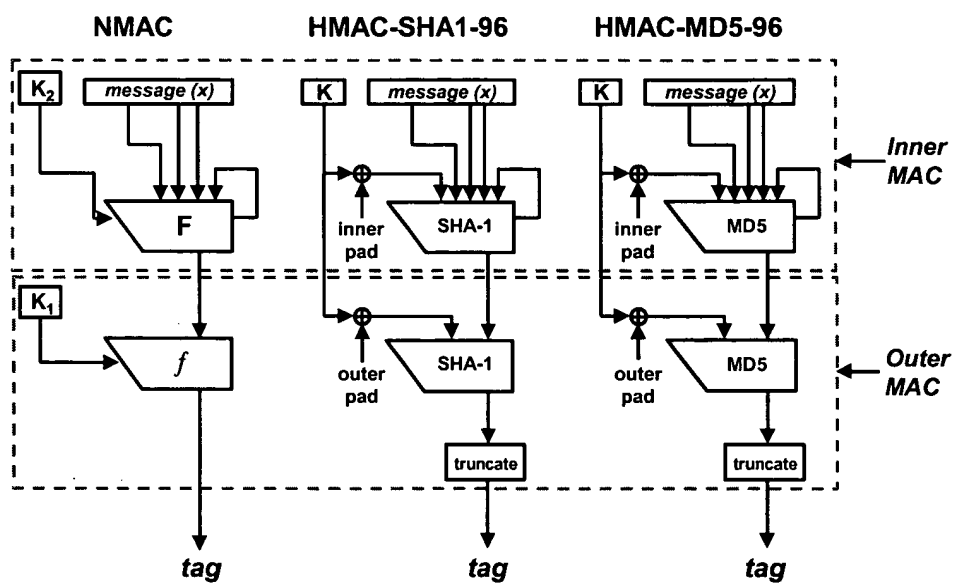


FIG. 11

09:40:20.250.250

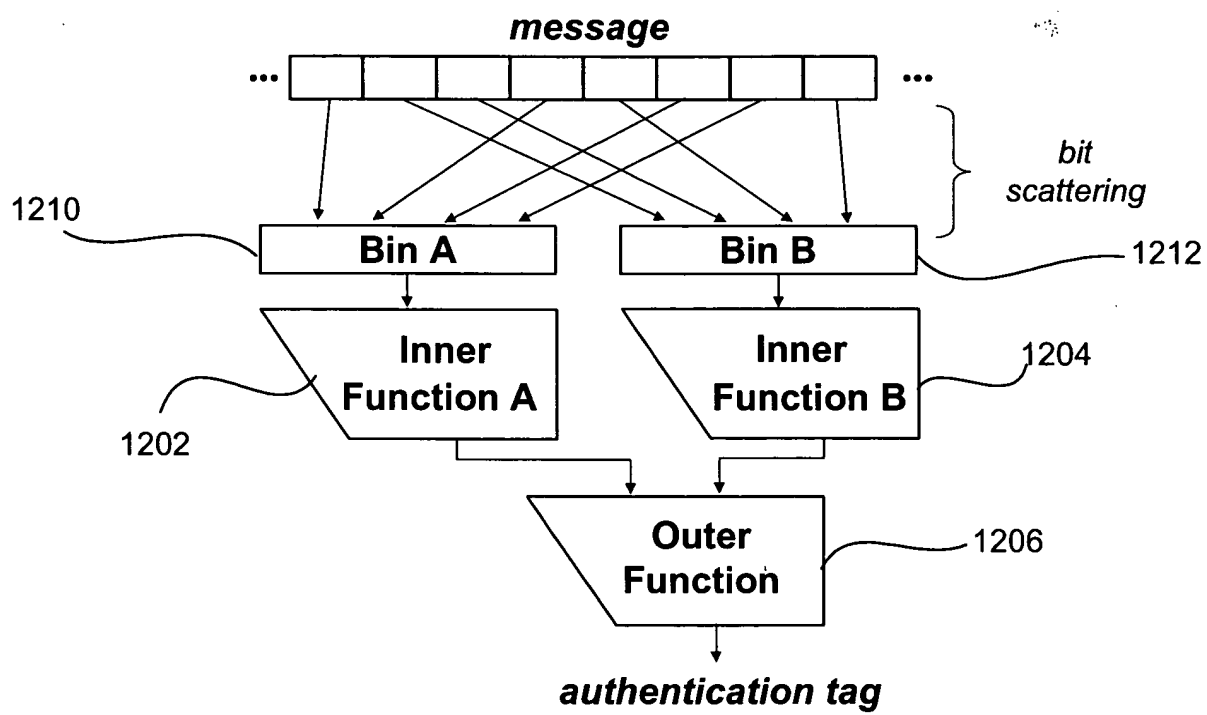


FIG. 12

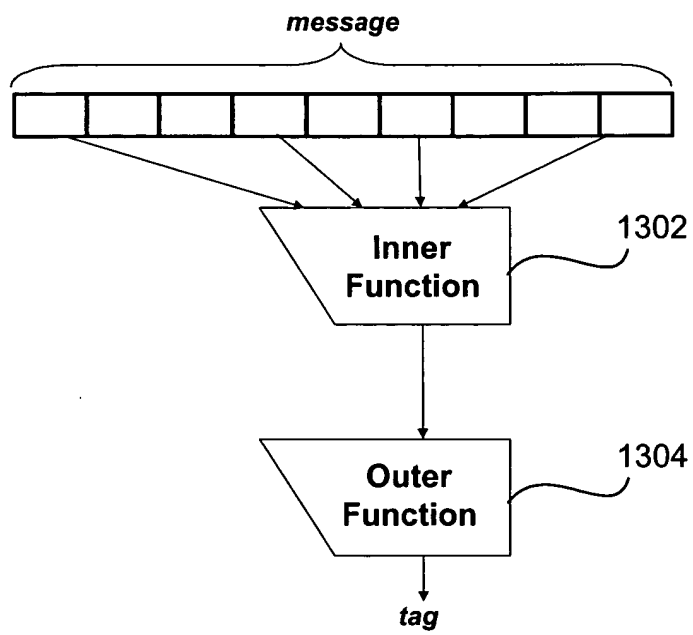


FIG. 13

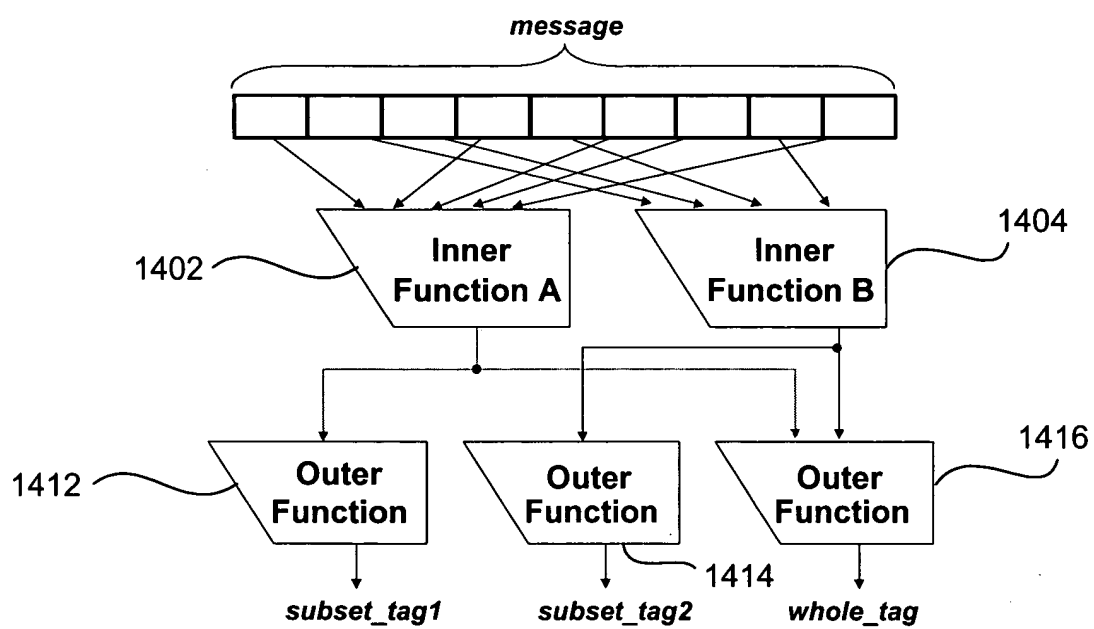


FIG. 14

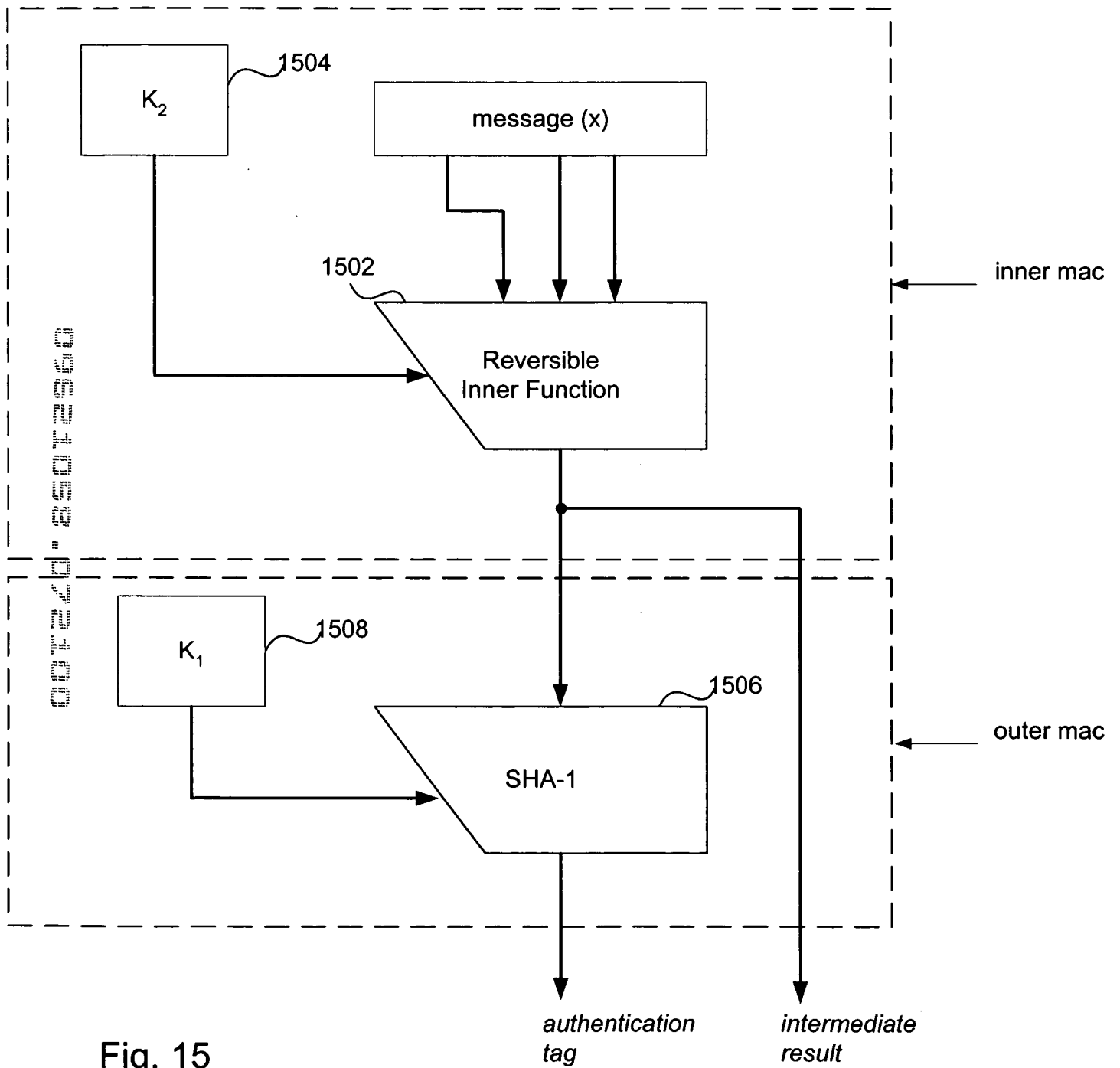


Fig. 15

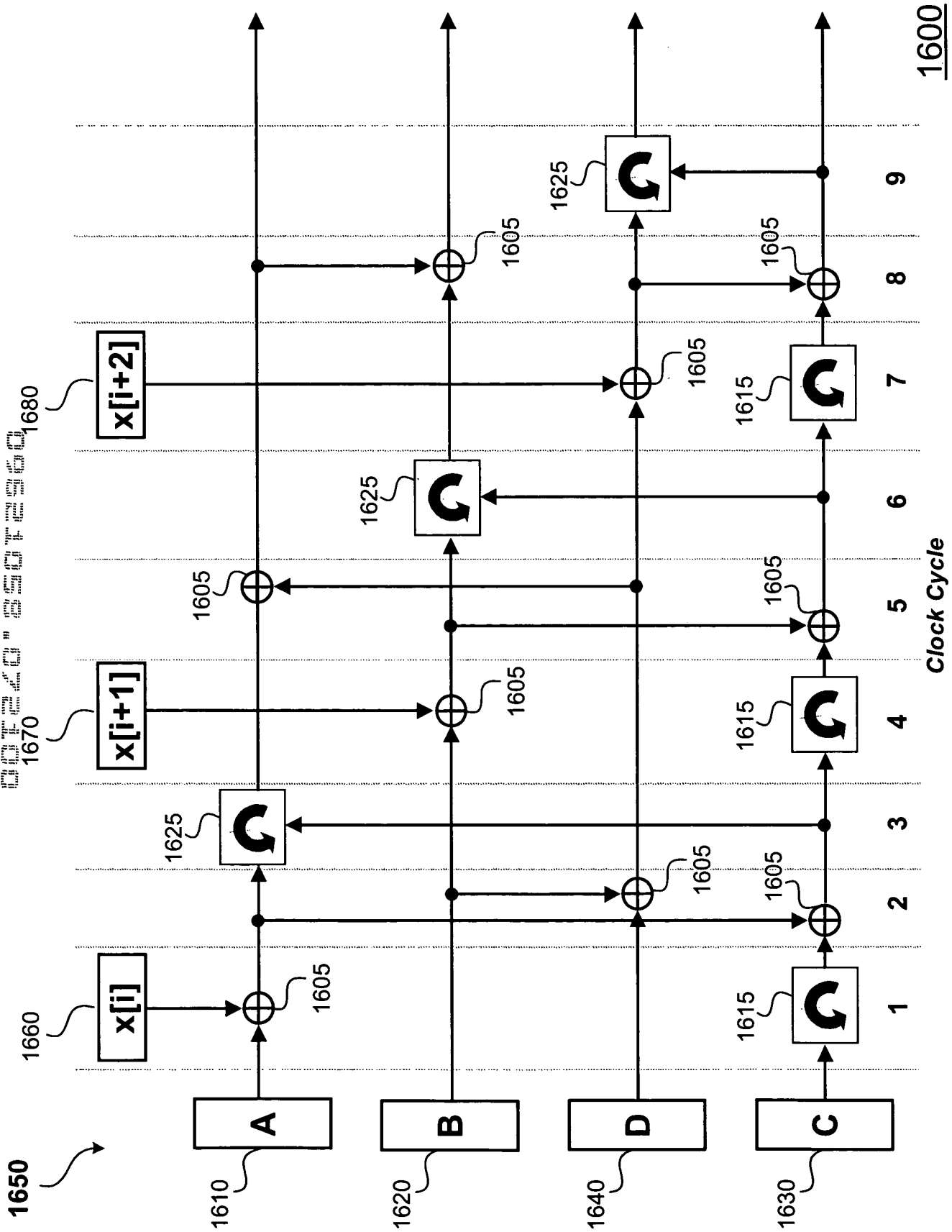


FIG. 16

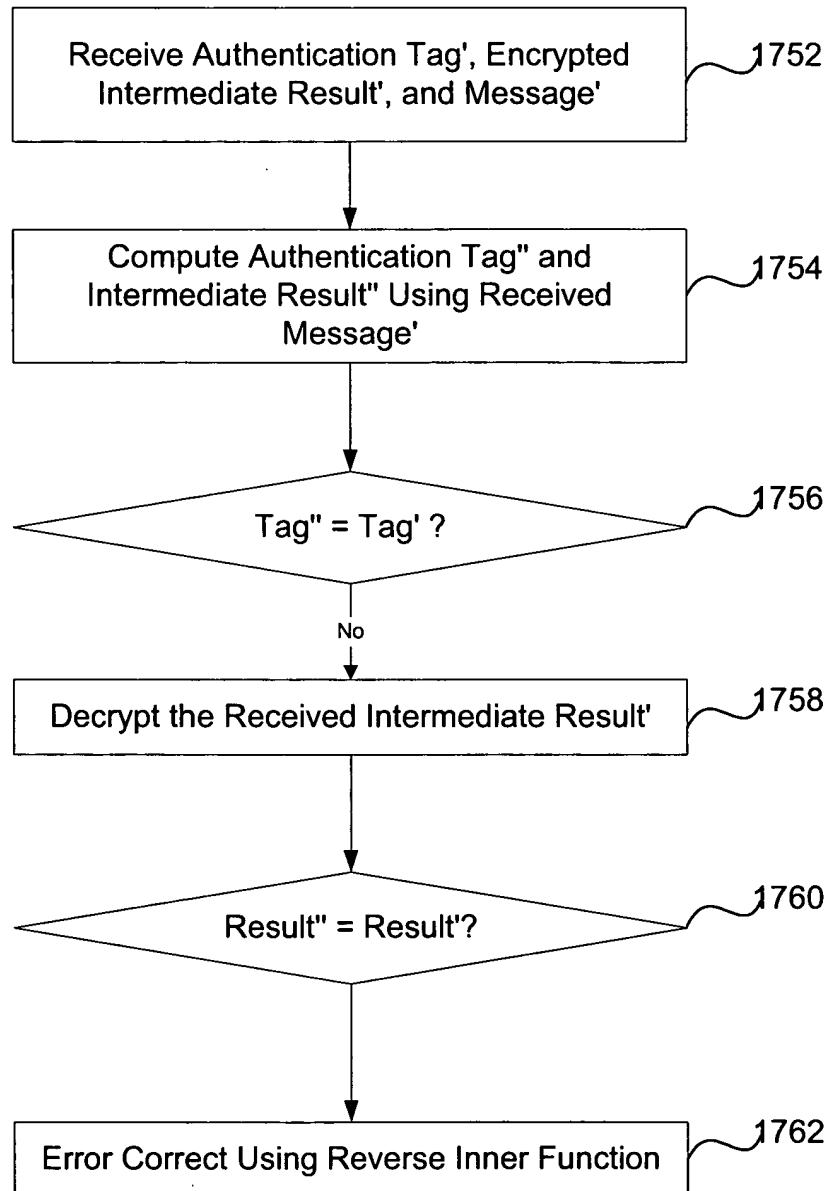


FIG. 17B